

# Notice of Allowability

Application No.

10/625,144

Examiner

Dieu-Minh Le

Applicant(s)

KAWAHARA, MINORU

Art Unit

2114

## -- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to the communication filed on 11/01/06.
2. ☒ The allowed claim(s) is/are 1,5-7, 11-13, and 17-18 now as 1-9.
3. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
  - a) ☒ All b) ☐ Some\* c) ☐ None of the:
    1. ☒ Certified copies of the priority documents have been received.
    2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
    3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

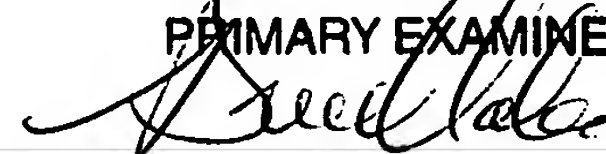
**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
  5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
    - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
      - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.
    - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

## Attachment(s)

1. ☒ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948)
3. ☒ Information Disclosure Statements (PTO/SB/08),  
Paper No./Mail Date 11/01/06
4. ☐ Examiner's Comment Regarding Requirement for Deposit  
of Biological Material
5. ☐ Notice of Informal Patent Application
6. ☒ Interview Summary (PTO-413),  
Paper No./Mail Date \_\_\_\_\_.
7. ☒ Examiner's Amendment/Comment
8. ☐ Examiner's Statement of Reasons for Allowance
9. ☐ Other \_\_\_\_\_.

DIEU-MINH LE  
PRIMARY EXAMINER



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1. This office action is in response to the Interview on 11/20/2006, 12/01/2006, and the communication filed 11/01/2006.
2. Claims 1, 5-7, 11-13, and 17-18 now as 1-9 are allowable over the prior art of record.
3. An Examiner's Amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 C.F.R. § 1.312. To ensure consideration of such an amendment, it **MUST** be submitted no later than the payment of the Issue Fee.

**EXAMINER'S AMENDMENT:**

**IN THE CLAIMS:**

Please replace all prior versions of claims in the application with the current listing claims in the **ATTACHMENT:**

4. Authorization for this Examiner's Amendment was given in a telephone interview with Mr. William S. Frommer, Registration No. 25,506 on 11/20/2006 and 12/01/2006.

Any comments considered necessary by applicant must be submitted no later than the payment of the Issue Fee and, to avoid processing delays, should preferably **accompany** the Issue Fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

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Any inquiry concerning this communication or earlier communications from the examiner should be directed to Dieu-Minh Le whose telephone number is (571) 272-3660. The examiner can normally be reached on Monday - Thursday from 8:30 AM to 6:00 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Scott Baderman can be reached on (571)272-3644. The Tech Center 2100 phone number is (571) 272-2100.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).



**DIEU-MINH THAI LE  
PRIMARY EXAMINER  
ART UNIT 2114**

DML.

12/04/2006

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**ATTACHMENT:**

**IN THE CLAIMS**

Amend the claims as follows:

1. (Currently Amended) A data processing apparatus comprising:

error detection means for detecting first data for an error, said first data being read from a data recording medium storing said first data and second data corresponding to said first data and having a data amount smaller than that of said first data;

error concealment means for concealing an error if any found on said first data by use of said second data read from said data recording medium;

first control means for controlling the reproduction of said first data;

second control means for controlling the reproduction of said second data,

wherein said first control means controls the reproduction of said first data in response to the reproduction of said second data controlled by said second control means,

wherein, if no error is found on said first data, said error concealment means selectively outputs said first data

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and, if an error is found on said first data, selectively  
outputs said second data, and

wherein said first data is video data and said  
second data is video data obtained by lowering the resolution of  
video data as said first data; ~~and~~

first decoder means for decoding encoded first video  
data having high-resolution; ~~and~~

second decoder means for decoding encoded second video  
data having low-resolution; and

output means for outputting said first data having high-  
resolution on the condition that real-time reproduction would  
not be interrupted during a state where sufficient reread time  
exists.

2-4. (Canceled)

5. (Previously Presented) The data processing  
apparatus according to claim 1, further comprising:

resize means for resizing said video data as said  
second data into the same size of said video data as said first  
data.

6. (Original) The data processing apparatus according to claim 1, further comprising:

read means for reading said first data or said second data from said data recording medium.

7. (Currently Amended) A data processing method comprising the steps of:

detecting first data for an error, said first data being read from a data recording medium storing said first data and second data corresponding to said first data and having a data amount smaller than that of said first data;

concealing an error if any found on said first data by use of said second data read from said data recording medium;

controlling the reproduction of said first data;

controlling the reproduction of said second data,

wherein said first control step controls the reproduction of said first data in response to the reproduction of said second data controlled by said second control step,

wherein, if no error is found on said first data, said error concealment step selectively outputs said first data and, if an error is found on said first data, selectively outputs said second data, and

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wherein said first data is video data and said second data is video data obtained by lowering the resolution of video data as said first data;

decoding encoded first video data having high-resolution;~~and~~

decoding encoded second video data having low-resolution; and

outputting said first data having high-resolution on the condition that real-time reproduction would not be interrupted during a state where sufficient reread time exists.

8-10. (Canceled)

11. (Previously Presented) The data processing method according to claim 7, further comprising the step of:

resizing said video data as said second data into the same size of said video data as said first data.

12. (Original) The data processing method according to claim 7, further comprising the step of:

reading said first data or said second data from said data recording medium.

13. (Currently Amended) A program recorded on a computer readable medium for making a computer execute a data processing method, said program comprising the steps of:

detecting first data for an error, said first data being read from a data recording medium storing said first data and second data corresponding to said first data and having a data amount smaller than that of said first data;

concealing an error if any found on said first data by use of said second data read from said data recording medium;

controlling the reproduction of said first data;

controlling the reproduction of said second data,

wherein said first control step controls the reproduction of said first data in response to the reproduction of said second data controlled by said second control step,

wherein, if no error is found on said first data, said error concealment step selectively outputs said first data and, if an error is found on said first data, selectively outputs said second data,

wherein said first data is video data and said second data is video data obtained by lowering the resolution of video data as said first data;

decoding encoded first video data having high-resolution;—and



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decoding encoded second video data having low-resolution;

outputting said first data having high-resolution on the condition that real-time reproduction would not be interrupted during a state where sufficient reread time exists.

14-16. (Canceled)

17. (Previously Presented) The program according to claim 13, further comprising the step of:

resizing said video data as said second data into the same size of said video data as said first data.

18. (Original) The program according to claim 13, further comprising the step of:

reading said first data or said second data from said data recording medium.